			Republic	Republic
	EPA	MDNR	(at stations)	(at excavation)
General Location	community	fenceline	onsite	at open trench
# of Stations	5	3	13 (proposed)*	mobile handhelds
Purpose				OSHA worker/release
	ambient air	CERCLA release	OSHA worker	control
Levels to expect	war dataatta baraba			
	non-detect to barely	non-detect to low	non-detect to	
	detectable	detections	moderate detections	moderate to elevated
Radiation				
Laboratory samples	, , ,		ļ.,	, .
TLD	gamma/monthly		gamma/quarterly	gamma/quarterly
5				
Particulates	alpha-beta/weekly		alpha-beta/monthly	
Alpha-track detector			radon/quarterly	
Eperms	radon/weekly			
PICs	gamma/weekly			
ECAM	α/β/Υ as needed			
Doutable field mentaring	D/h.s	D /b.m		D /b.a
Portable field monitoring	uR/hr	uR/hr		uR/hr
Genitron	gamma			
GammaRae	gamma	gamma		
ECAM	gamma			
Ludlum model 192				gamma
Ludlum model 3				alpha-beta
Identifinder		gamma		

			Republic	Republic
	EPA	MDNR	(at stations)	(at excavation)
Volatile Organic Compounds				
Laboratory samples	Analytes/method	Analytes/method	Analytes/method	
Summas - VOCs	EPA TO-15	VOCs		
Radiellos - VOC + H2S	Radiello Code 130		Radiello Code 130	
	Sensors/detection	Sensors/detection	Sensors/detection	
	limits/measurement	limits/measurement	limits/measurement	
Portable field monitoring	frequency	frequency	frequency	
AreaRae	CO - 1ppm	CO - 1ppm	N/A	
	VOCs - 1ppm	VOCs - 1ppm	,	
	H2S - 1ppm	H2S - 1ppm		
	SO2 - 1 ppm	SO2 - 1 ppm		
		02		
		LEL - %		
MultiRae		VOCs - ppm		VOCs - ppm
		LEL - %		LEL - %
		H2S - ppm		H2S - ppm
		CO -ppm		CO -ppm
		02 - %		02 - %
		SO2 - 1 ppm		
ppbRae		VOCs		
ultraRae 3000		benzene		
		H2S/0.1 ppm/as		
Jerome H2S		needed		
		odor/variable/as		
Nasal Ranger field Olfactometer		needed		
	NOAA/AWAS St. Louis		Model 05305 Wind	
Atmospheric conditions	International	Weatherpak at trailer	Monitor-AQ	
Measurements tracked	wind speed	wind speed	wind speed	
	wind direction	wind direction	wind direction	
	precipitation	precipitation		
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Telemetry	Viper	Rae systems		

Rae System		

* Proposed air monitoring is anticipated to begin sampling approximately end of April 2015